



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Sunday, May 17, 2015
Issued: 0800 CT

Day 1 Hazards: Continued moderate river flooding in east/south TX. Slight Risk of severe storms (wind/hail/flash flooding) across north/central/west AR into extreme southeastern OK. Flash flood potential also extends into northeast/central TX.

National Weather Service

Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



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817-978-1100 x 147

Key Points



Today

- Slight risk of severe thunderstorms across north/central/west AR into extreme southeast OK
 - Large hail, damaging winds, and flash flooding are the primary threats. Low tornado threat
- Flash flood potential extends into northeast/central TX
- Moderate river flooding expected to continue across east and south TX this week

Monday-Tuesday

- Flash flood potential continues into Monday over Arkansas
- Slight Risk of severe thunderstorms Monday over southeast NM into west TX
 - Large hail, damaging winds, and flash flooding are the primary threats. Low tornado threat.
- Slight Risk of severe thunderstorms Tuesday over southern TX panhandle into west TX
 - Large hail, damaging winds, and flash flooding are the primary threats. Low tornado threat.
- Moderate to heavy rainfall develops over eastern NM late Monday and expands into TX/OK panhandles and western OK on Tuesday. Localized flash flooding possible.

Wednesday-Thursday

- Moderate to heavy rain over north TX may lead to localized areas of flash flooding

Tropical Weather Outlook



Two-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



No Disturbances

Satellite Image from
11:52 pm EDT May 11

Tropical cyclone activity is not expected
during the next 48 hours.

E. PACIFIC
OUTLOOK






12:30 am EDT
Tue May 12 2015

Current Disturbances and 2-Day Cyclone Formation Chance: < 40% 40-60% > 60%
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone Remnants

*FEMA Region 6 Threat Matrix

May 17, 2015 - May 21, 2015

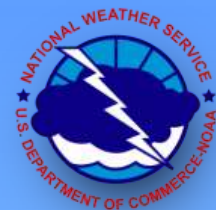
| DAY/ THREAT | SUN | MON | TUE | WED | THU |
|-------------------------|--|---------------|---------------------------------|---------|---------|
| Severe Storms | north/central/west AR, southeast OK | SE NM, W TX | S TX panhandle, W TX | | |
| Heavy Rain /Flooding | AR into NE/Cntrl TX | AR, E NM | E NM, TX/OK panhandles, W OK | N TX | N TX |
| Fire | | | | | |
| River Flooding | East TX/South TX | East/South TX | East TX | East TX | East TX |

| | |
|--|-----------------------------------|
|  | Very Common – Happens Often |
|  | Common – Happens Frequently |
|  | Uncommon – A Few Times a Year |
|  | Rare – Once Every 1-5 Years |
|  | Very Rare – Once Every 5-10 Years |

We are experimenting with a new color scale to the left as of April 13th. Please provide feedback to sr-srh.roc@noaa.gov. See next slide for more details.



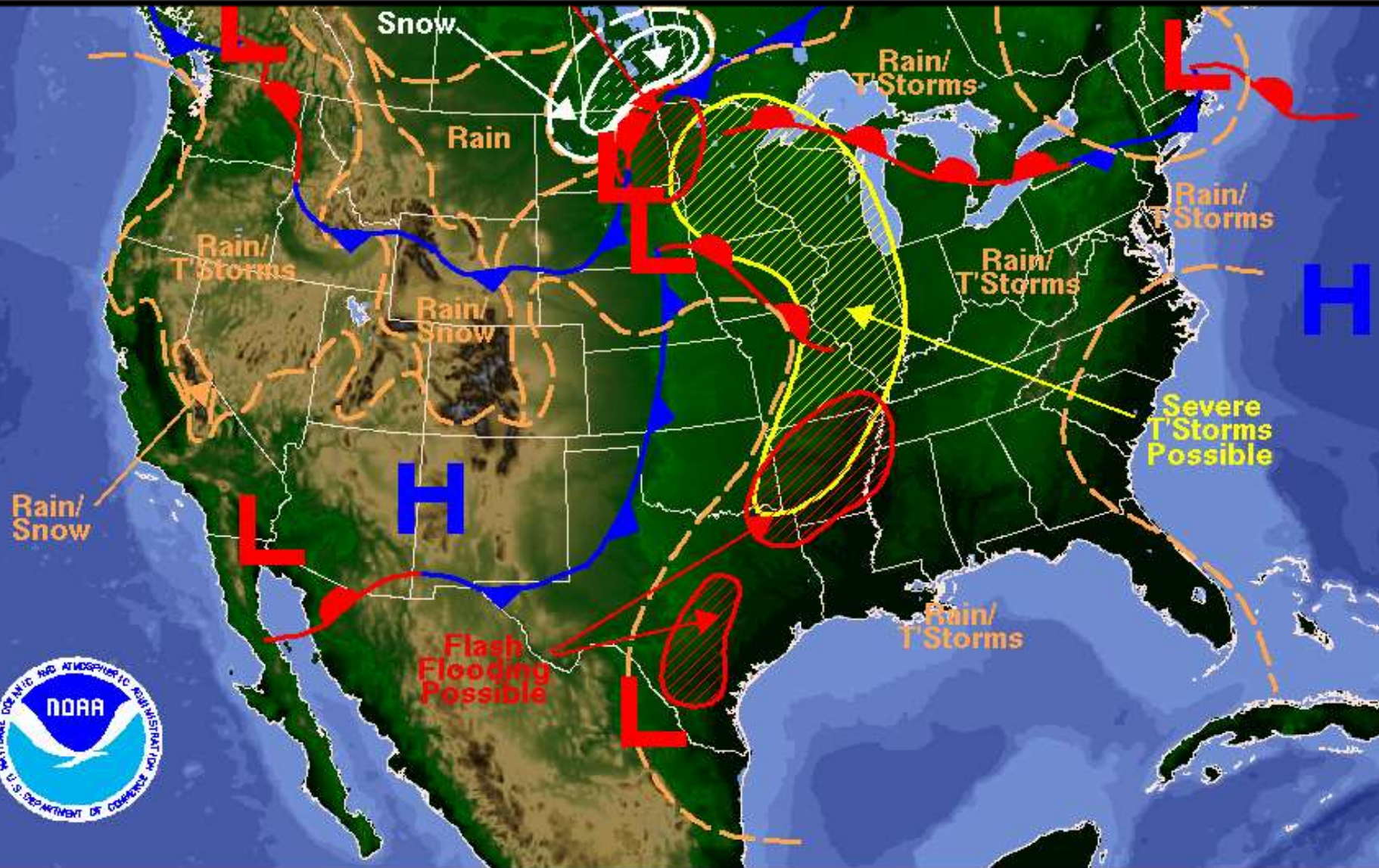
We are experimenting with a new color scale in these briefings, starting on April 13th. The criteria is below, please provide your feedback to sr-srh.roc@noaa.gov and we plan to re-evaluate in the coming months.



Weather "Threat" Matrix

| Color | Definition | Criteria | Example(s) |
|---------------|--|--|---|
| Green | Very Common – Happens Often Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines | Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None | <ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX |
| Yellow | Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life | Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline | <ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail |
| Orange | Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life | Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline | <ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail |
| Red | Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life | Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline | <ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail |
| Purple | Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life | Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline | <ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms |

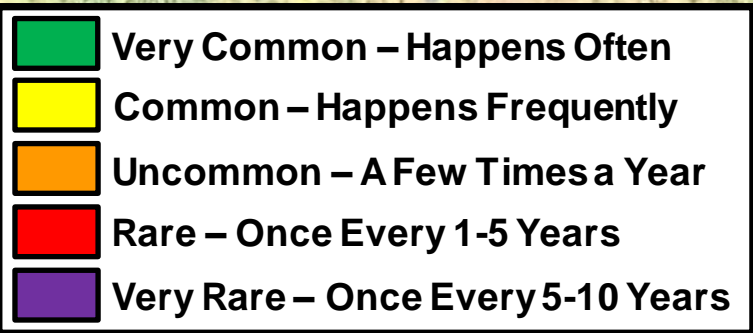
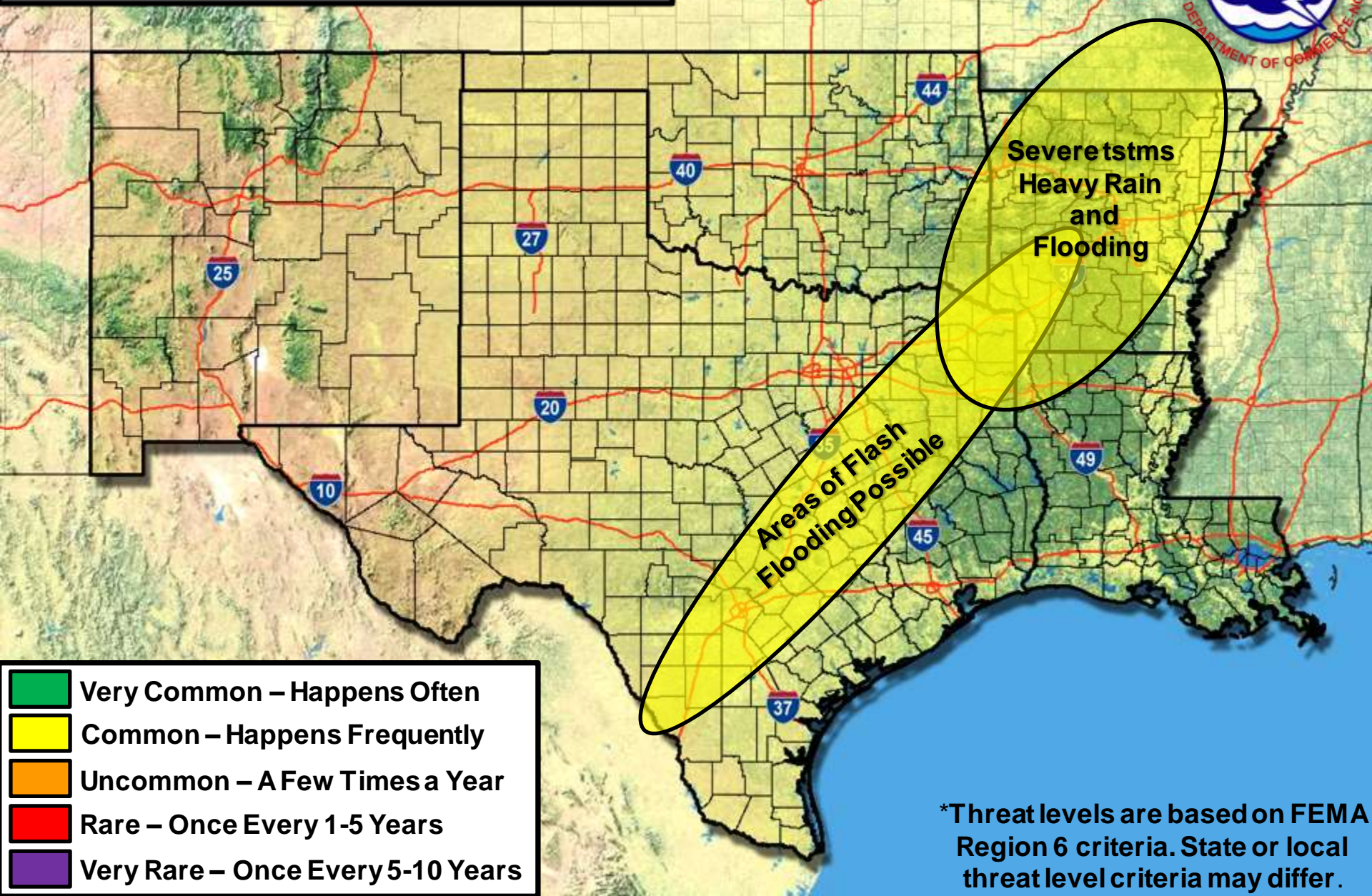
Today's Weather



Weather Forecast for Sun, May 17, 2015, issued 4:37 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Gerhardt based on WPC, SPC and NHC forecasts

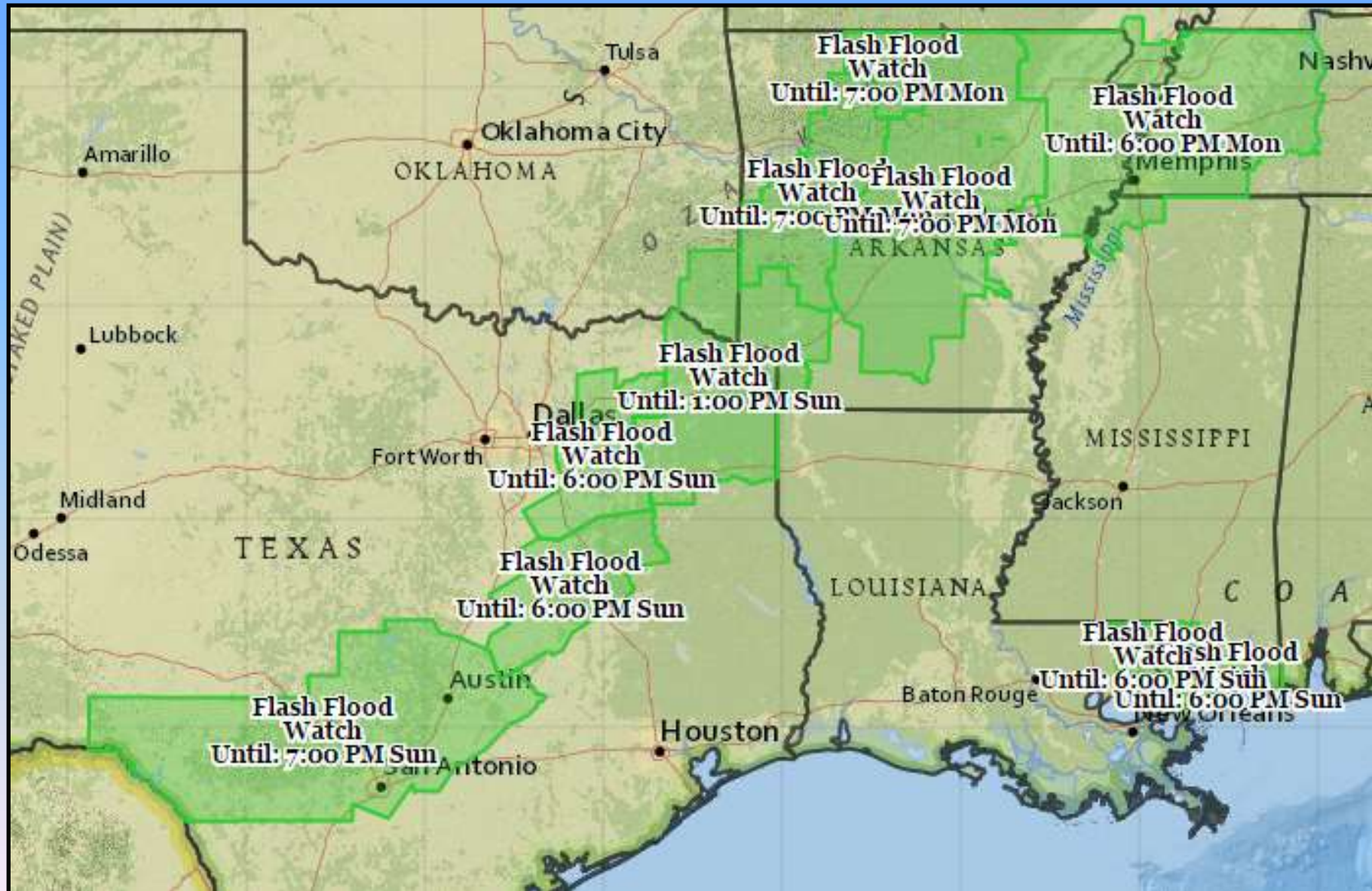
Day 1 Weather Hazards

Valid: 0800 Sun - 0800 Mon



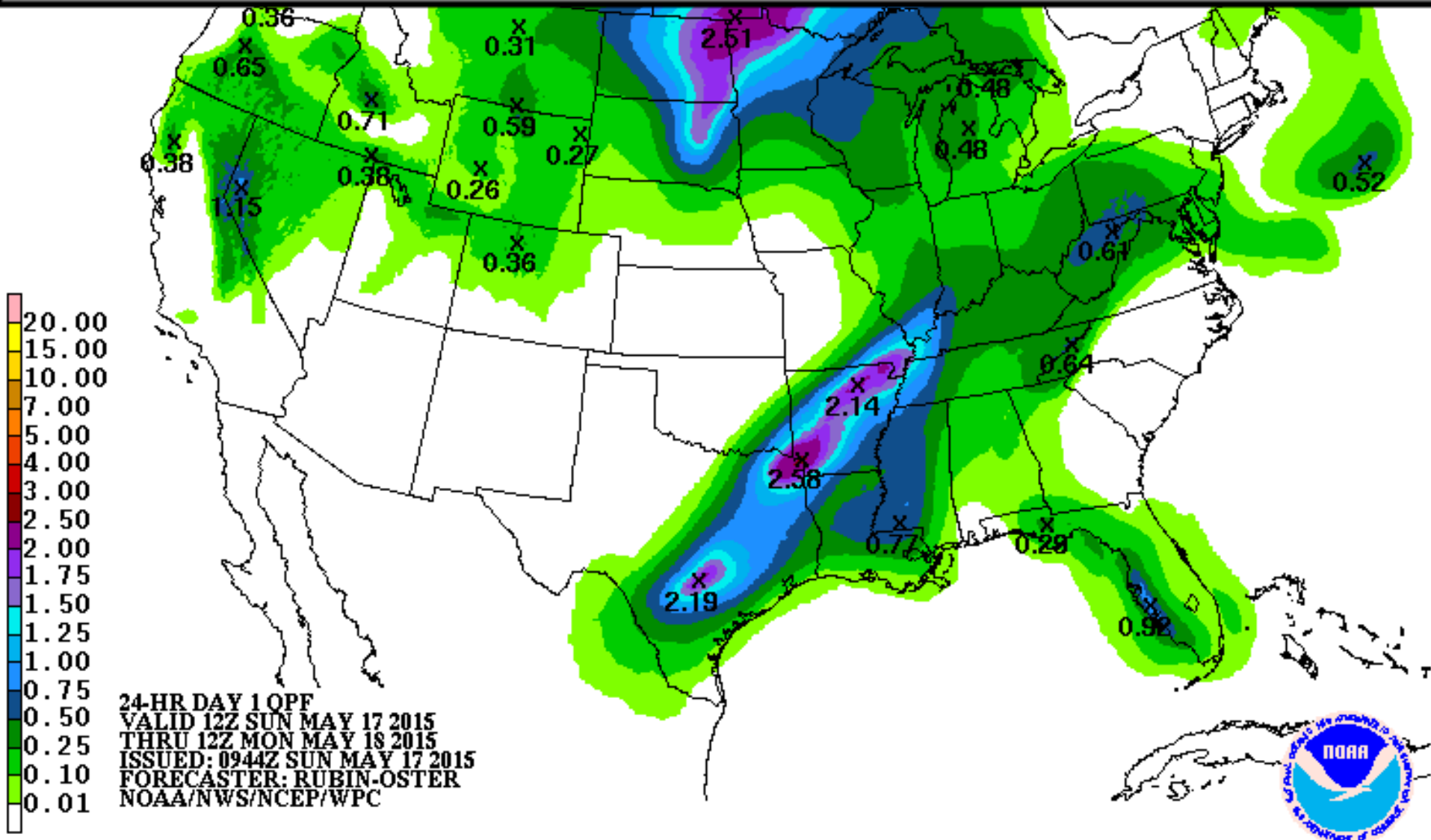
*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

Flash Flood Watches



Today's Precipitation

Sun AM - Mon AM












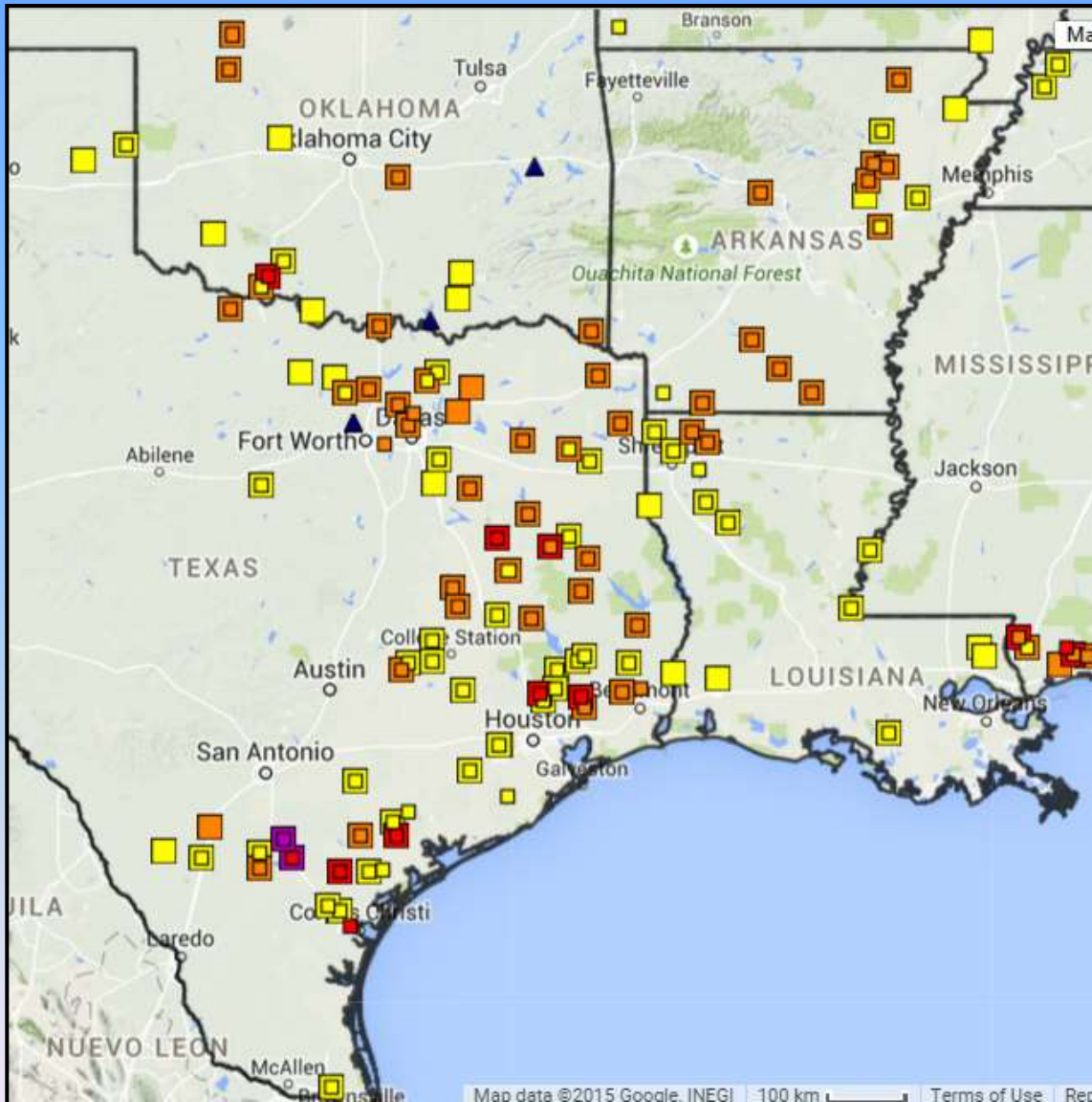
Current River Status / Near Term Forecast

A few river points in east and south Texas are in moderate to major flood stage.

Moderate or greater river flooding to continue for east Texas through this week and over south Texas for the next 2-3 days.

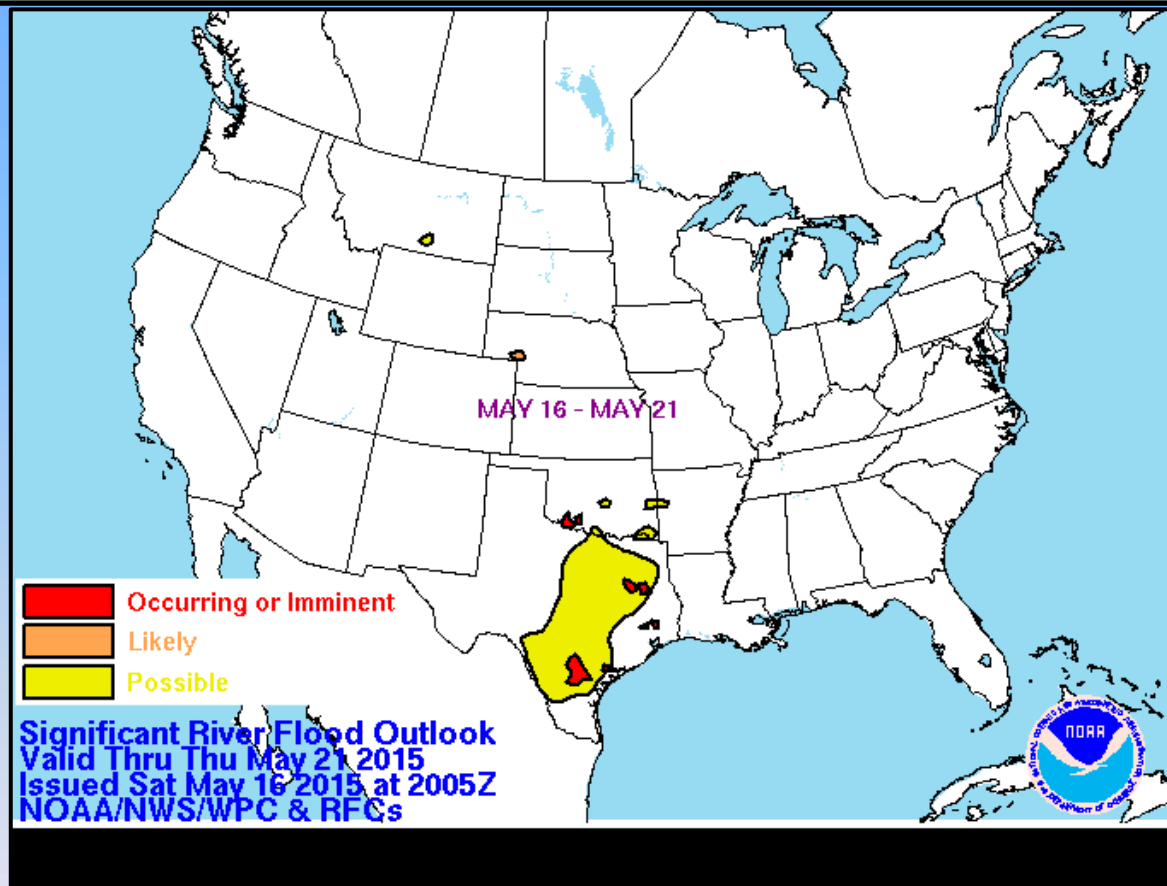
River Status

| | Observed | Forecast |
|-------------------|---|---|
| No Flooding |  |  |
| Near Flood Stage |  |  |
| Minor Flooding |  |  |
| Moderate Flooding |  |  |
| Major Flooding |  |  |



River Flood Outlook

Moderate or greater river flooding is possible across much of northeast through central and south Texas and eastern Oklahoma this week. Moderate or greater river flooding is occurring or likely through at least today for some areas throughout the week over S OK, NE/E/S TX.



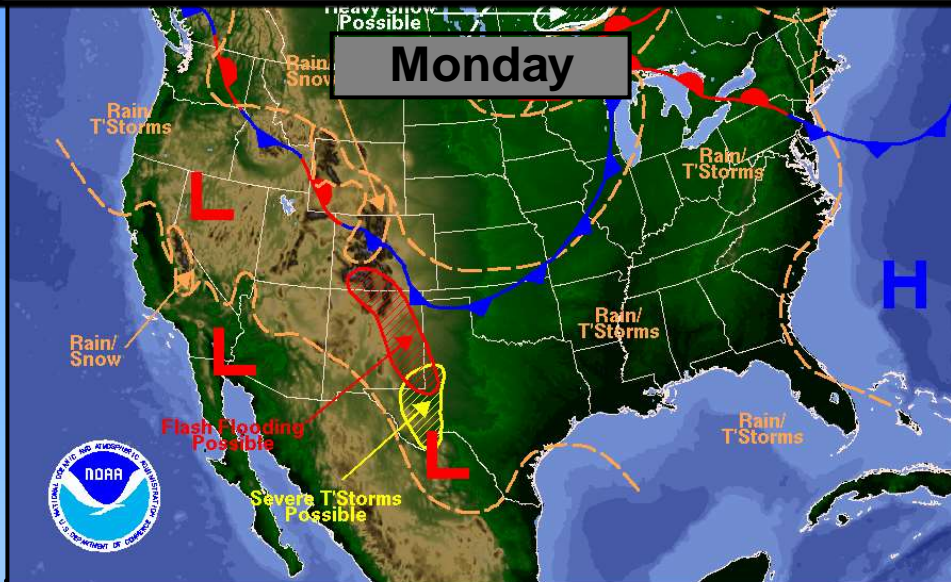
Detailed River Flood Outlooks can be found here:

<http://www.srh.noaa.gov/wgrfc/?n=wgrfcfop>

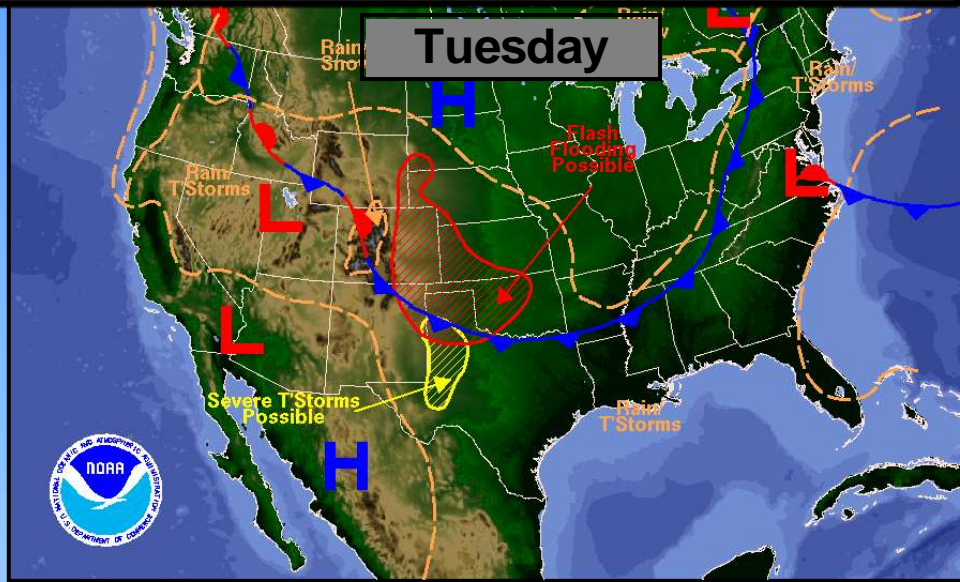
<http://www.srh.noaa.gov/abrfc/?n=abrfcfop>

<http://www.srh.noaa.gov/lmrfc/?n=fop>

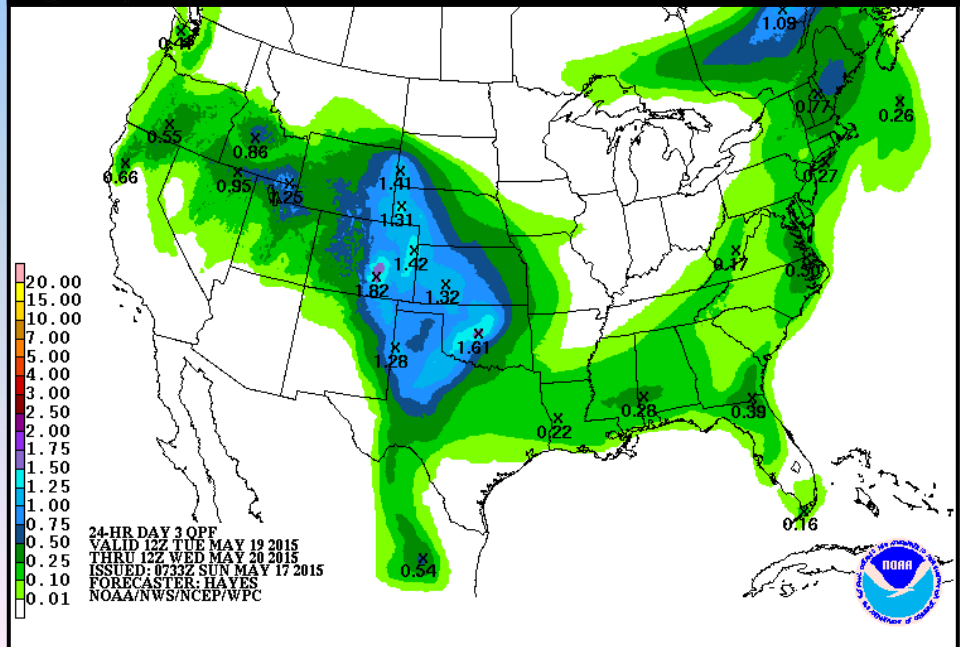
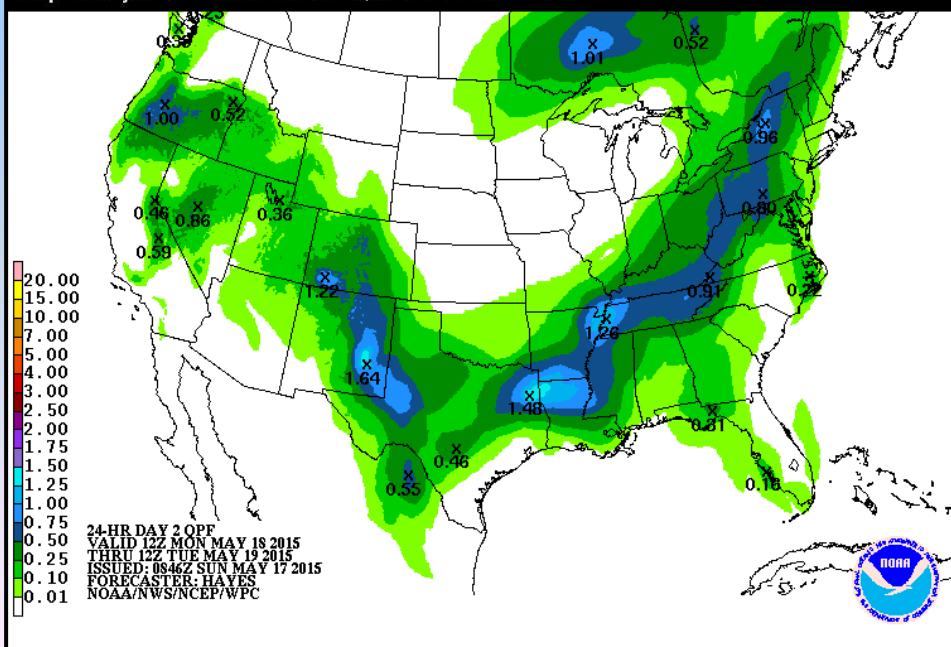
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Mon, May 18, 2015, issued 4:40 AM EDT Sun, May 17, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Gerhardt based on WPC, SPC and NHC forecasts



Weather Forecast for Tue, May 19, 2015, issued 4:51 AM EDT Sun, May 17, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Gerhardt based on WPC, SPC and NHC forecasts



Day 2-3 Weather Hazards

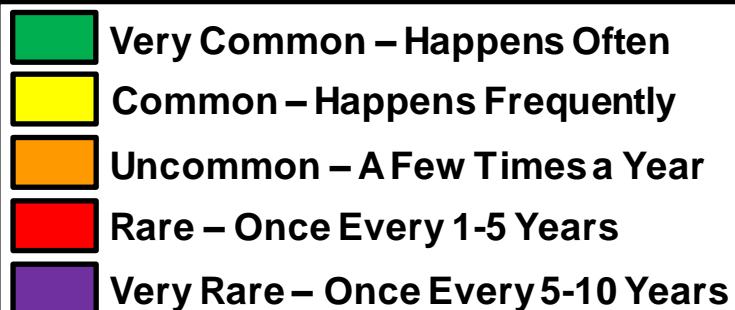
Valid: 0800 Mon - 0800 Wed



Moderate to heavy rain developing over Eastern NM late Monday and expanding eastward into TX/OK Tuesday. Areas of flash flooding possible.

Slight Risk of Severe Tstorms Tuesday

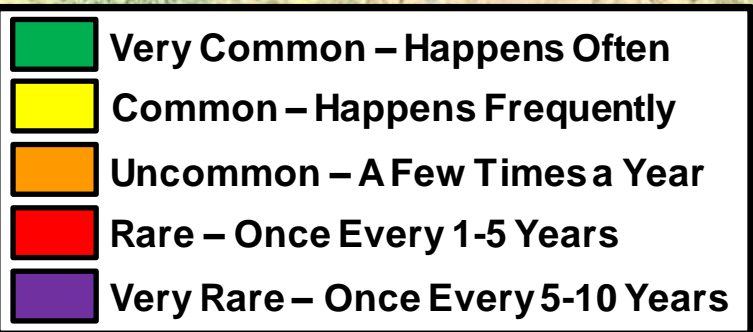
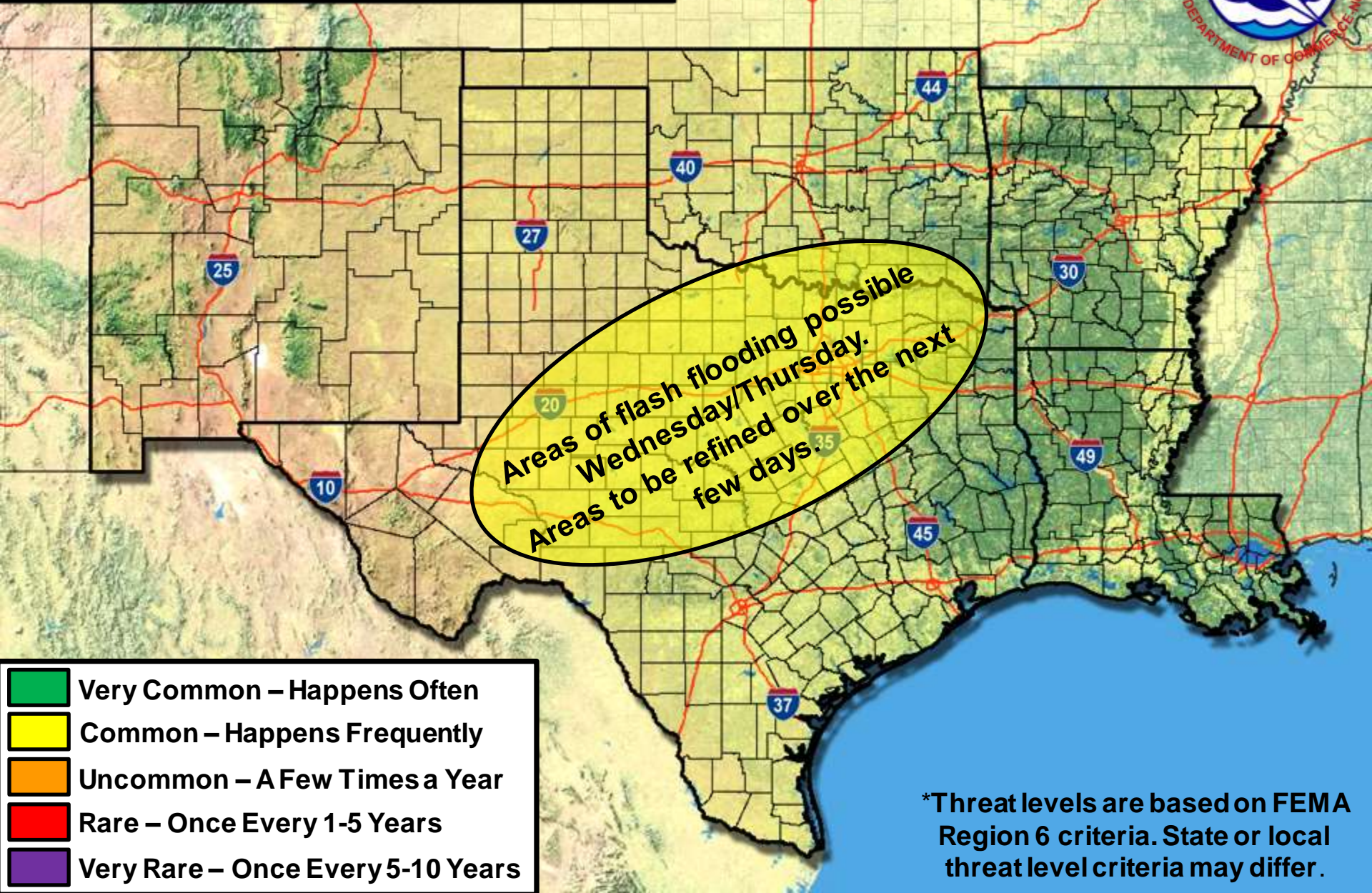
Slight Risk of Severe Tstorms Monday



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Day 4-5 Weather Hazards

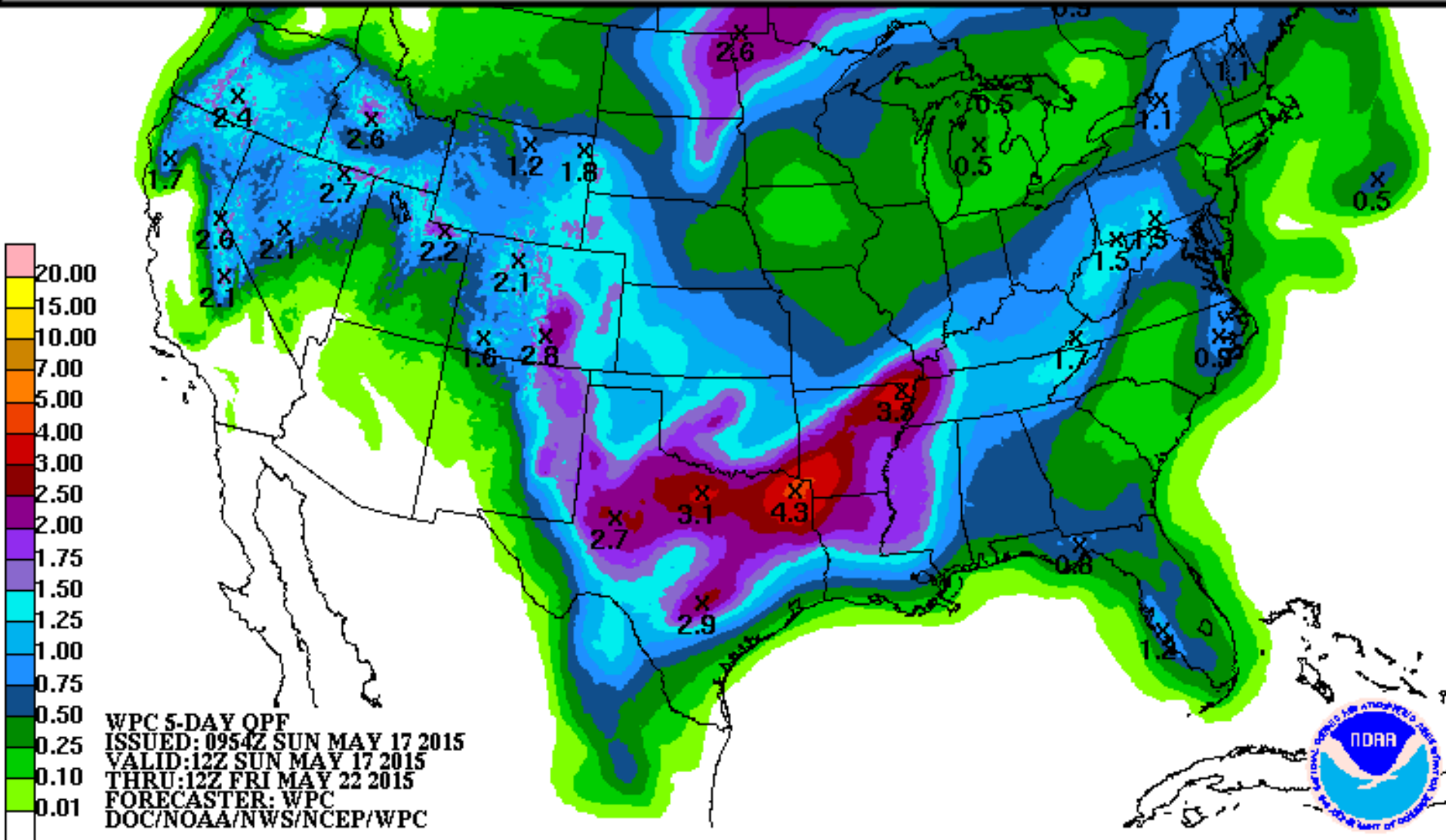
Valid: 0800 Wed - 0800 Fri



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5-Day Precipitation

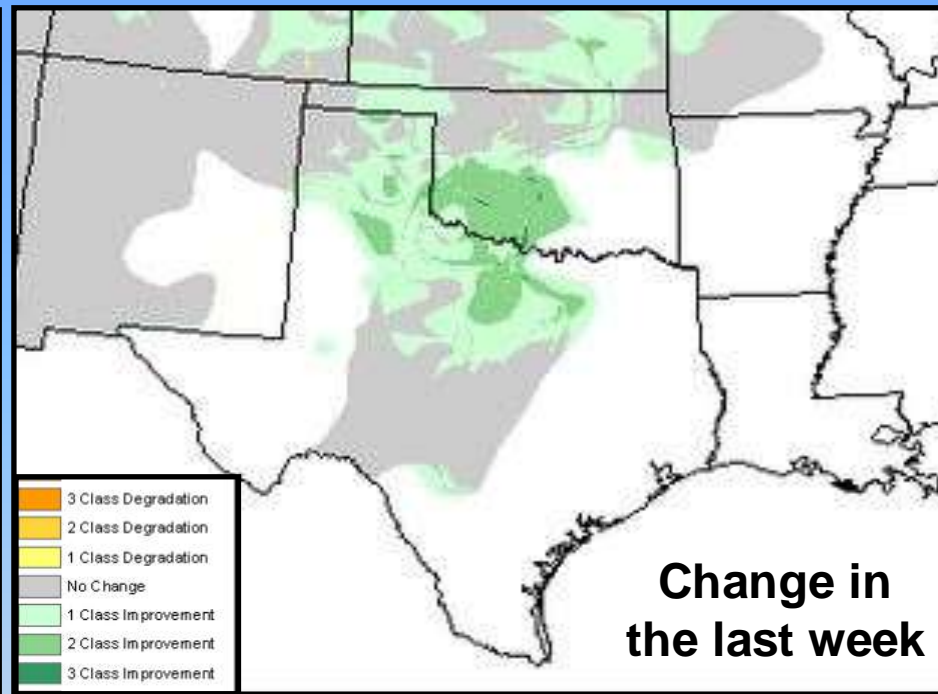
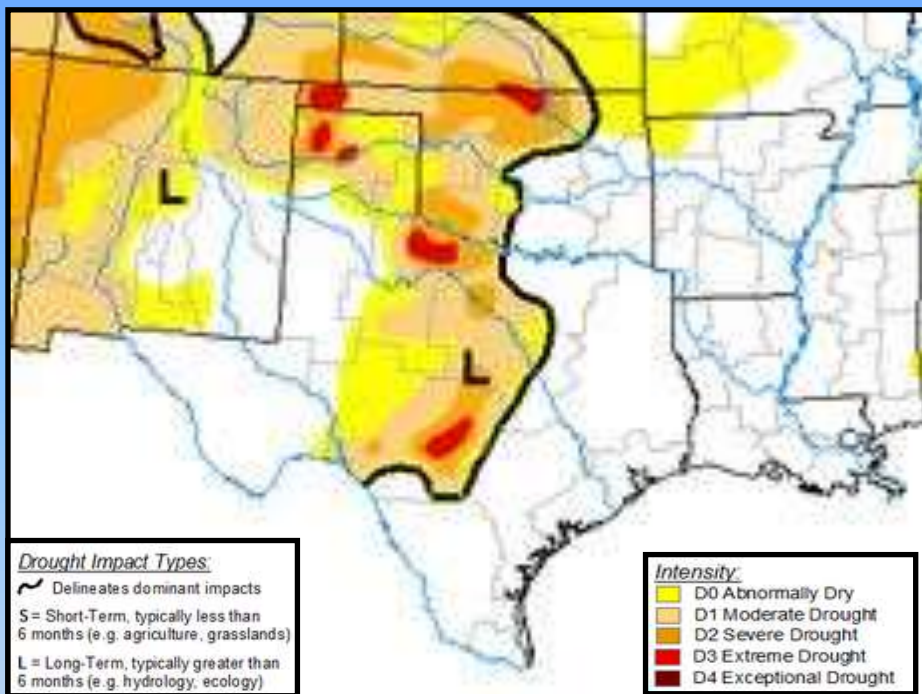
Sun AM - Fri AM





Drought Monitor Released May 14th, 2015

Data valid as of Tuesday, May 12th, 2015 at 7AM EST



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

| State | Current | Last Week | 3 Months Ago | 1 Year Ago |
|------------|---------|-----------|--------------|------------|
| Oklahoma | 3.72% | 17.95% | 22.81% | 50.06% |
| Texas | 1.93% | 5.48% | 13.21% | 39.88% |
| New Mexico | 0.00% | 0.00% | 3.70% | 33.29% |
| Arkansas | 0.00% | 0.00% | 0.00% | 0.00% |
| Louisiana | 0.00% | 0.00% | 0.00% | 0.00% |

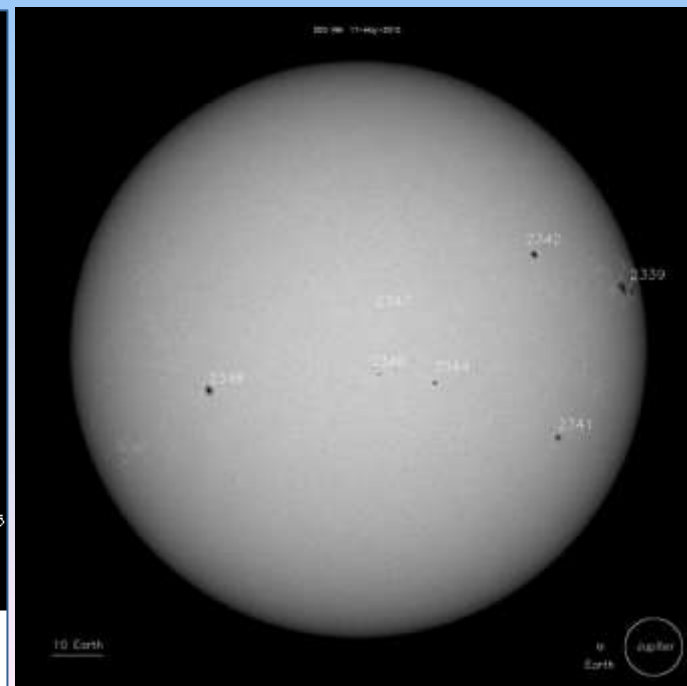
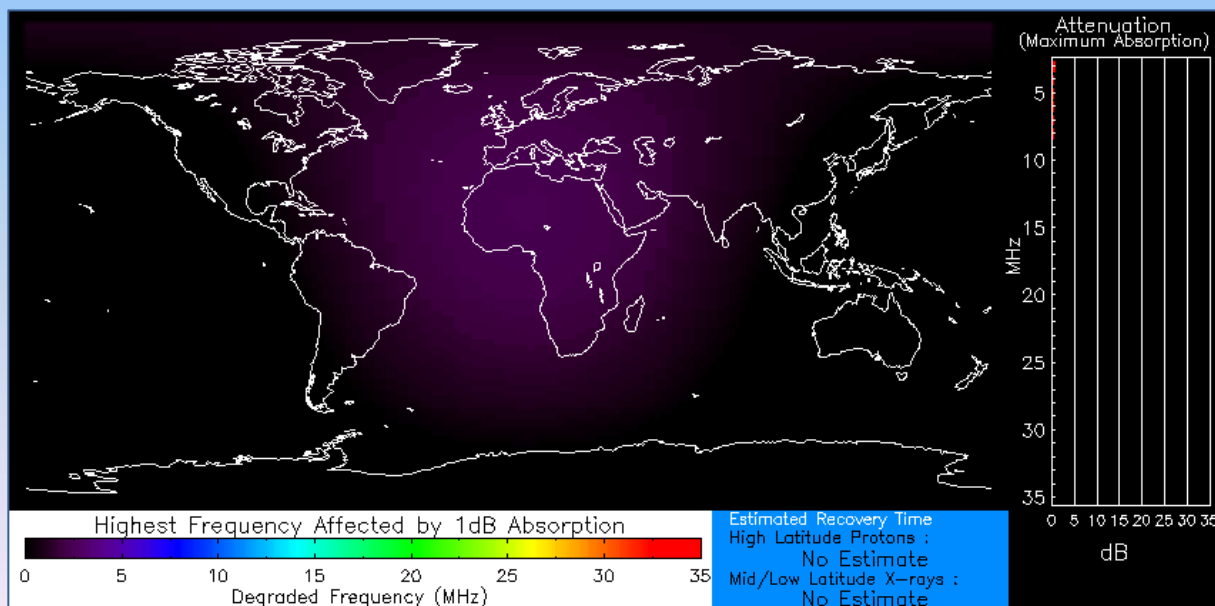
Space Weather 3-Day Forecast



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)

| | Sunday | Monday | Tuesday |
|-------------------------------|----------------------------------|-------------------------------------|------------------------------------|
| Geomagnetic Storms | Minor (G1) storm (Max Kp = 5) | Unsettled to Active (Max Kp = 4) | Quiet to Unsettled (Max Kp = 3) |
| Solar Radiation Storm (S1-S5) | 5% | 5% | 1% |
| Radio Blackout (R1-R2) | 15% | 15% | 5% |
| Radio Blackout (R3-R5) | 5% | 5% | 1% |



Normal X-ray Background
Product Valid At : 2015-05-17 11:34 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA

Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (817) 978-1100 x147

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Web: <http://www.srh.noaa.gov>

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<https://www.facebook.com/NWSSouthern> (**NEW link!!**)

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